

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 January 2005 (13.01.2005)

PCT

(10) International Publication Number
WO 2005/002639 A1

(51) International Patent Classification⁷: **A61L 11/00**,
2/12, B65B 7/00

(21) International Application Number:
PCT/EP2004/006472

(22) International Filing Date: 16 June 2004 (16.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
BO2003A000402 30 June 2003 (30.06.2003) IT

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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

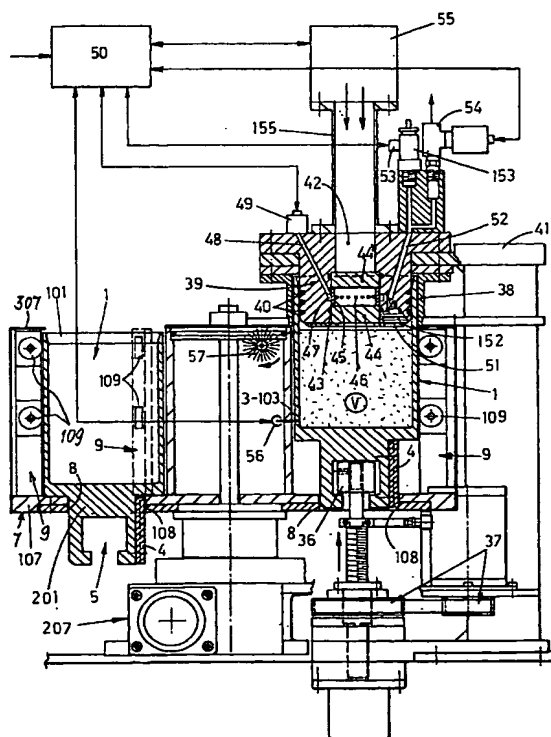
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: MACHINE AND METHOD FOR TREATING PRODUCTS WITH MICROWAVES



(57) Abstract: The machine comprises a plurality of identical
containers (1), of suitable shape and suitable capacity,
preferably having flared mouths and round cross sections,
which, by the action of a carousel (7) or any other suitable
conveyor means, are cyclically made to interact with the
following operating stations: a first station which shreds the
containers with their contents, in such a way as to form a finely
shredded product which, by suitable means, is fed into each
container in predetermined constant amounts, is compacted
and is suitably moistened, the mouth of each container being
protected and kept clean by suitable means; a second station
in which the mouth of the container (1) is closed to form a
seal by a piston (39) which communicates by means of a wave
guide with the magnetron (55) which generates the necessary
microwaves for the sterilization of the waste in the container.
Suitable means control the pressure and temperature within
the container, in such a way that the waste is treated at the
specified temperature and for the time required to ensure
neutralization of any bacterial load present in the waste,
while on completion of sterilization, the treatment container
is brought to atmospheric pressure and removed from the
said piston; a station, if required, for removing any excess
liquid contained in the sterilized waste, while the mouth of
the container is suitably protected and kept clean; and a station
which discharges the treated waste from the container, while
the mouth of the said treatment container is protected and kept
clean by suitable means, so that it can subsequently interact
and form a seal with the piston of the sterilization station.

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